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Application No.: 10/679,784

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

22. (Currently amended) A vehicle configured to transmit and receive voice or data communications having a plurality of data packets, the vehicle comprising:

a GPS receiver;

a remote unit, including:

a memory for storing a unique identifier of the vehicle;

an input for receiving a position signal from the GPS receiver, the position signal indicating the position of the vehicle;

a transceiver for receiving a wireless communication from a sending remote unit, the received wireless communication including the unique identifier, said transceiver downconverting the received wireless communication from RF to a received baseband communication;

a microprocessor for receiving the position signal and the received baseband communication;

said microprocessor for generating a transmit baseband communication including data packets with data fields, the data fields including the unique identifier of the ~~sender~~ sending remote unit, information derived from the position signal, and the an address of the a desired remote unit; and

said transceiver for upconverting the transmit baseband communication to RF for transmission as a transmit wireless communication to ~~a receiving~~ the desired remote unit.

23. (Previously presented) The vehicle in claim 22 wherein the received wireless communication includes the unique identifier of the receiving remote unit, and said microprocessor processes only data packets having the unique identifier pertaining to its associated remote unit.

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24. (Previously presented) The vehicle in claim 22 wherein the unique identifier of the sending remote unit includes a plurality of data subfields used for separate identification of multiple operators of a single vehicle.

25. (Previously presented) The vehicle in claim 22 wherein said remote unit further includes means for encrypted point-to-point or point-to-multipoint communication between remote users.

26. (Previously presented) The vehicle in claim 22 wherein the received wireless communication includes fields for speed, acceleration, direction, origin and destination.

27. (Previously presented) The vehicle in claim 22 wherein the transmit baseband communication further includes a transmission administration data field comprising at least one of the following subfields:

- security level information for access control;

- priority information based on an urgency level of the communication;

- origin of the communication either in vehicle or out of vehicle;

- broadcast type of communication based on a number of users intended to receive the communication ranging from point-to-point to point-to-multipoint, voice or data type communication designation; and

- communication length based on whether the communication is contained in a single data packet or part of a multi-packet communication.

28. (Previously presented) The vehicle in claim 22 wherein said remote unit is configured to receive communications from non-subscribers.

29. (Previously presented) The vehicle in claim 22 wherein said remote unit further includes interface means with the internet.

30. (Previously presented) The vehicle in claim 22 wherein said remote unit is configured to receive communications from emergency and law enforcement officials.

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31. (Previously presented) The vehicle in claim 22 wherein said microprocessor performs calculations based on the position signal, including speed, acceleration and direction of vehicle motion.

32. (Previously presented) The vehicle in claim 22 wherein data stored in said memory further includes a vehicle activity log comprising data fields for time and date of communication, vehicle position, speed, acceleration/deceleration and direction.

33. (Previously presented) The vehicle in claim 22 wherein said memory stores a log of vehicle communications that are continuously compiled by said microprocessor, comprising at least one of the following data fields: time of communication, date of communication, indication of incoming or outgoing communication, address or addresses of a communicating entity, priority of communication, indication of whether the communication is broadcast or point-to-point; indication of whether the communicating entity is within the vehicle or outside the vehicle; security level of the communicating entity; indication of whether the communication is data or voice; indication of whether the communication is information or control; and actual contents of the communication.

34. (Previously presented) The vehicle in claim 33 wherein said log is used to store addresses of remote units categorized as unwanted incoming communications to be screened out by said microprocessor.

35. (Previously presented) The vehicle in claim 22 further comprising an electro-mechanical interface to control electro mechanical systems of the vehicle.

36. (Previously presented) The vehicle in claim 35 wherein said control is limited to authorized operators.

37. (Previously presented) The vehicle in claim 22 wherein said memory stores a user log of information pertaining to the user and the user's vehicle comprising at least one of the following fields: vehicle registration number; vehicle insurance company and policy number; vehicle make,

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model and model year; vehicle color; vehicle EZpass number; user garage parking account number; user garage door access code; user driving record; and user credit card information.

38. (Previously presented) The vehicle in claim 22 further comprising an audio-visual interface for programming the microprocessor, downloading user specified information into said memory for control of the vehicle, viewing output display, or monitoring audio output.

39. (Previously presented) The vehicle in claim 22 wherein said remote unit further includes determining means for calculating the available time duration for communication with other remote units based on a calculated speed and direction of vehicles with respect to one another.

40. (Currently amended) A system for transmitting voice or data communications between a plurality of remote units, the system having an input including the voice or data communications and user input, each remote unit comprising:

- a unique identifier;
- a transceiver configured to receive data by a wireless communication and to down convert the received data from radio frequency (RF) to baseband, and to up-convert baseband data to RF for transmission as a wireless communication;
- a global positioning system receiver configured to receive a position signal;
- a microprocessor configured to receive the position signal and the received communication, and to generate the baseband communication by constructing at least one data packet from a plurality of data fields, at least one of the data fields including information derived from the position signal, the unique identifier of a sending remote unit, and the unique identifier of a the receiving remote unit; and
- a memory configured to store the received data, the user input including information unique to the user, and said unique identifier.

41. (Previously presented) The system of claim 40 wherein one of the data fields includes vehicle mobility parameters selected from the group consisting of speed, direction, and acceleration.